

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/13100

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F41A17/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F41A

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/032405 A1 (KAMINSKI) 25 October 2001 (2001-10-25)	1-13, 15, 16, 18-23
Y	abstract paragraphs '0006! - '0009!, '0013!, '0038!, '0039!, '0041! - '0048!, '0050! - '0052!, '0057!, '0059!, '0068!, '0070! figures 1, 2, 6A, 7	14, 17
Y	US 5 192 818 A (MARTIN) 9 March 1993 (1993-03-09) abstract	14
Y	US 6 301 815 B1 (SLIWA) 16 October 2001 (2001-10-16) abstract column 1, line 58 - column 2, line 4	17
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the International filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the International filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

A document member of the same patent family

Date of the actual completion of the international search

6 July 2004

Date of mailing of the international search report

14/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/042332 A1 (GAVAGE ET AL) 22 November 2001 (2001-11-22) abstract paragraphs '0003!, '0005!, '0007!, '0009!, '0012!, '0020!, '0023! - '0025!, '0027!, '0028! figures 1A,1B -----	1-10,12, 23
A	WO 00/65291 A (HEFTI; LAQUILA SA (CH)) 2 November 2000 (2000-11-02) cited in the application -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/13100

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2001032405	A1	25-10-2001	US 6237271 B1 29-05-2001
			US 5867930 A 09-02-1999
			US 5704153 A 06-01-1998
			WO 0016030 A2 23-03-2000
			US 5896691 A 27-04-1999
			CA 2208732 A1 23-01-1998
US 5192818	A	09-03-1993	US 5537771 A 23-07-1996
			US 5423143 A 13-06-1995
			US 5068989 A 03-12-1991
US 6301815	B1	16-10-2001	NONE
US 2001042332	A1	22-11-2001	US 6735897 B1 18-05-2004
WO 0065291	A	02-11-2000	EP 1048919 A1 02-11-2000
			AU 3283000 A 10-11-2000
			WO 0065291 A1 02-11-2000
			EP 1171746 A1 16-01-2002